

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: IRiS

Report Number: P#

Luminaire Tested: P3ART13R709835DE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

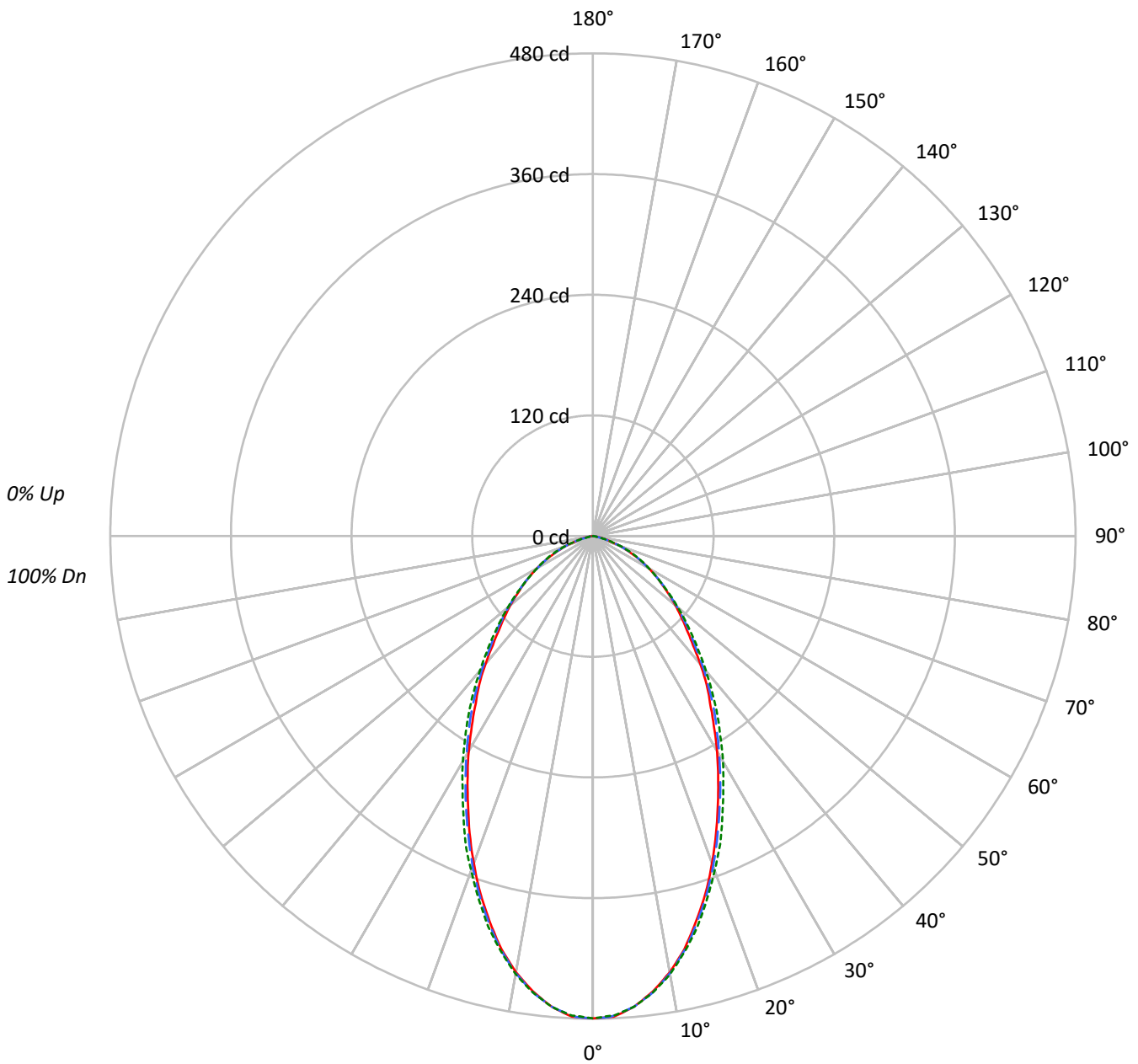
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R709835DE010 E3CLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 668.0 lumens  
Efficiency: N/A  
Efficacy: 46.1 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	105167	105167	105167
5°	103412	103412	103412
10°	98039	98284	98506
15°	90035	90534	91260
20°	80810	81580	82607
25°	71109	72149	73746
30°	62516	63630	65554
35°	54395	56162	57607
40°	47546	48777	50037
45°	40997	42361	43353
50°	36536	37253	37628
55°	32152	32572	32572
60°	28287	27805	28287
65°	23245	23816	24387
70°	18208	18208	18913
75°	12031	11099	11099
80°	6945	5556	4167
85°	2768	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 43353 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.9	6.6
10°-20°	111.4	16.7
20°-30°	137.4	20.6
30°-40°	130.9	19.6
40°-50°	105.9	15.9
50°-60°	76.3	11.4
60°-70°	45.7	6.8
70°-80°	15.3	2.3
80°-90°	1.3	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	292.7	43.8
0°-40°	423.6	63.4
0°-60°	605.7	90.7
0°-90°	668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	668.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	480	480	480	480	480	
5°	470	470	470	470	470	44
15°	397	397	399	400	402	111
25°	294	296	298	303	305	135
35°	203	205	210	214	215	128
45°	132	134	137	139	140	103
55°	84	84	85	85	85	76
65°	45	46	46	47	47	45
75°	14	14	13	13	13	16
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6
2°	478.5	478.5	478.5	478.5	478.5	478.5	478.5	478.5	478.5	478.5	477.4
2.5°	478.5	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	478.5	477.4
5°	469.8	469.8	469.8	469.8	469.8	469.8	469.8	469.8	470.9	469.8	469.8
7.5°	456.7	456.7	456.7	456.7	457.7	457.7	457.7	457.7	458.8	458.8	457.7
10°	440.3	440.3	440.3	440.3	441.4	441.4	442.4	441.4	441.4	442.4	442.4
12.5°	420.6	419.5	419.5	419.5	420.6	421.7	421.7	421.7	422.8	422.8	422.8
15°	396.6	396.6	396.6	397.7	397.7	398.8	399.8	399.8	400.9	400.9	402.0
17.5°	372.5	372.5	371.4	372.5	373.6	374.7	375.8	376.9	378.0	378.0	378.0
20°	346.3	345.2	346.3	347.4	348.5	349.6	350.7	352.9	354.0	354.0	354.0
22.5°	320.1	319.0	320.1	321.2	322.3	323.4	326.6	327.7	328.8	328.8	331.0
25°	293.9	293.9	295.0	296.1	297.2	298.2	300.4	302.6	303.7	304.8	304.8
27.5°	269.8	269.8	269.8	269.8	272.0	274.2	276.4	278.6	279.7	280.8	280.8
30°	246.9	245.8	245.8	246.9	249.1	251.3	253.5	255.6	256.7	257.8	258.9
32.5°	224.0	224.0	224.0	225.0	226.1	229.4	231.6	232.7	234.9	236.0	236.0
35°	203.2	203.2	203.2	205.4	207.6	209.8	210.8	213.0	215.2	215.2	215.2
37.5°	185.7	186.8	189.0	187.9	187.9	189.0	190.1	192.3	194.5	194.5	194.5
40°	166.1	167.1	168.2	167.1	168.2	170.4	171.5	172.6	173.7	174.8	174.8
42.5°	147.5	147.5	147.5	148.6	150.8	151.9	154.0	155.1	156.2	156.2	156.2
45°	132.2	132.2	133.3	134.4	135.5	136.6	137.7	138.7	139.8	139.8	139.8
47.5°	119.1	119.1	120.2	120.2	121.3	122.4	123.4	123.4	124.5	125.6	124.5
50°	107.1	107.1	107.1	108.2	108.2	109.2	109.2	110.3	110.3	110.3	110.3
52.5°	95.0	95.0	95.0	95.0	96.1	96.1	96.1	97.2	97.2	97.2	97.2
55°	84.1	84.1	84.1	84.1	84.1	85.2	85.2	85.2	85.2	85.2	85.2
57.5°	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
60°	64.5	64.5	64.5	64.5	64.5	63.4	64.5	64.5	64.5	64.5	64.5
62.5°	54.6	54.6	54.6	54.6	54.6	54.6	54.6	55.7	55.7	55.7	55.7
65°	44.8	45.9	45.9	45.9	45.9	45.9	45.9	47.0	47.0	47.0	47.0
67.5°	36.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	38.2	38.2	38.2
70°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	29.5
72.5°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	20.8	20.8	20.8
75°	14.2	14.2	14.2	14.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1
77.5°	9.8	9.8	9.8	8.7	8.7	7.6	7.6	7.6	7.6	7.6	6.6
80°	5.5	5.5	5.5	5.5	5.5	4.4	4.4	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)